### CITY OF GREEN COVE SPRINGS CITY COUNCIL SPECIAL SESSION

#### 321 WALNUT STREET, GREEN COVE SPRINGS, FLORIDA TUESDAY, JUNE 07, 2022 – 5:00 PM



Anyone wishing to address the city council regarding any topic on this agenda is requested to complete a card available at the city clerk's desk. Speakers are respectfully requested to limit their comments to three (3) minutes.

The city council prohibits the use of cell phones and other electronic devices which emit an audible sound during all meetings with the exception of law enforcement, fire and rescue or health care providers on call. Persons in violation may be requested to leave the meeting

#### AGENDA

Invocation & Pledge of Allegiance to the Flag

Roll Call

Mayor to call on members of the audience wishing to address the Council on matters not on the Agenda.

#### **COUNCIL BUSINESS**

1. Orange Avenue Corridor Study Michael Daniels

Adjournment

The City Council meets the first and third Tuesday of each month beginning at 7:00 p.m., unless otherwise scheduled. Meetings are held in City Hall at 321 Walnut Street. Video and audio recordings of the meetings are available in the City Clerk's Office upon request.

City may take action on any matter during this meeting, including items that are not set forth within this agenda.

Minutes of the City Council meetings can be obtained from the City Clerk's office. The Meetings are usually recorded, but are not transcribed verbatim for the minutes. Persons requiring a verbatim transcript may make arrangements with the City Clerk to duplicate the recordings, if available, or arrange to have a court reporter present at the meeting. The cost of duplication and/or court reporter will be at the expense of the requesting party.

Persons who wish to appeal any decision made by the City Council with respect to any matter considered at this meeting will need a record of the proceedings, and for such purpose may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is based. The City is not responsible if the in-house recording is incomplete for any reason.

#### ADA NOTICE

In accordance with Section 286.26, Florida Statutes, persons with disabilities needing special accommodations to participate in this meeting should contact the City Clerk's office no later than 5:00 p.m. on the day prior to the meeting.

#### **PUBLIC PARTICIPATION:**

Pursuant to Section 286.0114, Florida Statutes, effective October 1, 2013, the public is invited to speak on any"proposition" before a board, commission, council, or appointed committee takes official action regardless of whether the issue is on the Agenda. Certain exemptions for emergencies, ministerial acts, etc. apply. This public participation does not affect the right of a person to be heard as otherwise provided by law.

#### EXPARTE COMMUNICATIONS

Oral or written exchanges (sometimes referred to as lobbying or information gathering) between a Council Member and others, including staff, where there is a substantive discussion regarding a quasi-judicial decision by the City Council. The exchanges must be disclosed by the City Council so the public may respond to such exchanges before a vote is taken.



(904) 297-7500 Florida Relay - Dial 7-1-1 321 Walnut Street

Green Cove Springs, FL 32043 www.greencovesprings.com

### MEMORANDUM

To: **City Council** 

From: Michael Daniels, Development Services Department

Date: June 2, 2022

Subject: US 17 Corridor Study Presentation

The purpose of the US 17 Corridor Study Project is to improve the user experience of US 17 (Orange Avenue) in Green Cove Springs from SR 16 (Leonard Taylor Parkway) to Orion Road. The study's priorities were to create a sense of place and community within the city limits through hardscape and streetscape improvements. These improvements must be in compliance with the Florida Department of Transportation's (FDOT) design standards for US 17, which is on their priority network called the Strategic Intermodal System.

The proposed improvements include

- Widening and reconstructing sidewalks and adding adjacent landscaping to create shade and a more pedestrian-friendly environment
- Constructing landscaping in the median between Leonard Taylor Parkway and Oak Street
- Constructing a median with landscaping between Oak Street and Governor's Creek Bridge to improve safety, traffic operations and roadway aesthetics
- Constructing intersection improvements at SR 16 (Ferris Street) to accommodate larger vehicles traveling eastbound to southbound on US 17
- Implementing access management strategies to improve safety and operations by applying current design criteria to driveways
- Constructing landscaping in the median between Governor's Creek Bridge and Orion -Street
- Replacing strain poles with mast arms at all signals
- Narrowing lanes and widening sidewalks in the vicinity of the Walnut Street, which will be a focal point in the community
- Milling and resurfacing pavement within the limits of the project \_

The project needs and proposed alternative considered the ongoing City Master Plan, Walnut Street improvements, impacts of proposed and future developments and construction of the First Coast Expressway.

The North Florida Transportation Planning Organization funded the study as part of their Unified Planning Work Program. Their representative will make a presentation summarizing the recommendations and be available for questions or comments following the presentation in a 30-minute open house.

The proposed corridor improvements are provided within the meeting packet.

Item #1.

5

### **Orange Avenue Corridor Study**

Help us create safer, sustainable and livable communities.

The North Florida TPO is working in partnership with the City of Green Cove Springs to improve the users experience on US 17 for all modes of transportation in our community. Join us to learn more and provide feedback for the Orange Avenue Corridor Study.

The study area includes Orange Avenue from SR 16 north to Orion Road. Proposed changes include traffic and safety improvements, constructing medians, sidewalks, landscaping and other amenities along the corridor. No funding for the project's design or construction has been identified at this time. The project is being coordinated with the City's master plan that is being developed concurrently.

June 7, 2022 • A formal presentation will begin at 5 p.m. followed by an open house at Green Cove Springs City Hall



#### Orange Avenue Corridor Study June 7, 2022

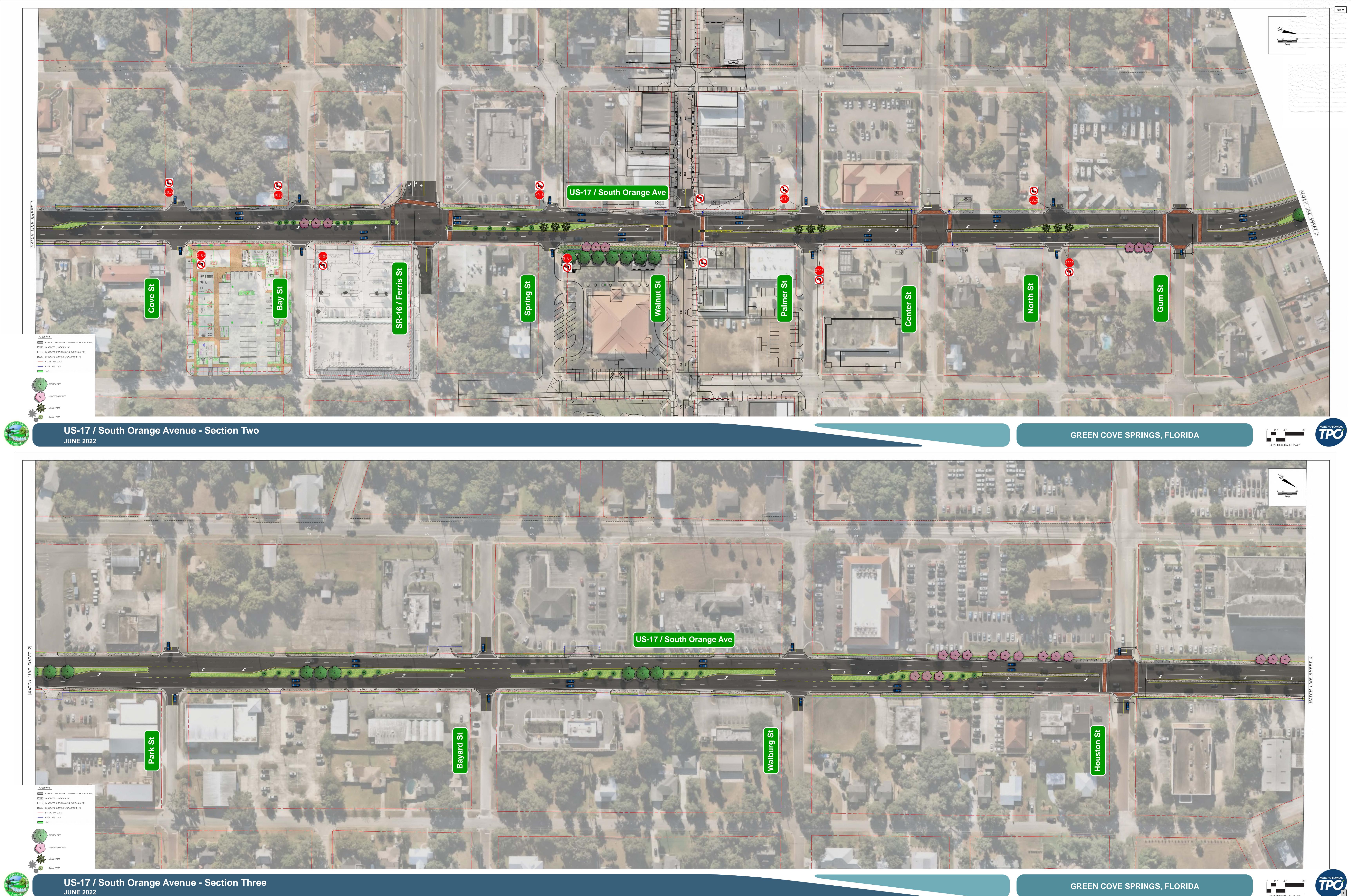
Green Cove Springs City Hall 321 Walnut Street Green Cove Springs, FL 32043

#### 5 p.m.

The study team will make a presentation to the City Council during a special meeting.

An open house will follow where you can learn more about the study and meet with the study team. City of Green Cove Springs 321 Walnut Street Green Cove Springs, FL 32043 Item #1.





US-17 / South Orange Avenue - Section Three **JUNE 2022** 

SCREEN COUCH SCREE

GREEN COVE SPRINGS, FLORIDA

0' 20' 40' 80' GRAPHIC SCALE: 1"=40'



GREEN COVE SPRINGS, FLORIDA



0' 20' 40' 80' GRAPHIC SCALE: 1"=40'

#### SR 5/US 17 ORANGE AVENUE WITHIN THE CITY OF GREEN COVE SPRINGS PREFERRED ALTERNATIVE

SR 5/US 17 ORAN PREFERRED ALTER	GE AVENUE WITHIN THE CITY OF GREEN COVE SPRINGS RNATIVE Confidence Level of Estimat	_	of 5	Prepared by: Reviewed by: Date:	Shaw Wills 6/3/2022
PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY TOTAL	UNIT PRICE	ESTIMATE
<b>ROADWAY COMP</b>	ONENT				
0104 10 3	SEDIMENT BARRIER	LF	9,360	\$1.48	\$13,853
0104 18	INLET PROTECTION SYSTEM	EA	155	\$151.65	\$23,475
0110 2 2	SELECTIVE CLEARING AND GRUBBING, AREAS WITH TREES TO REMAIN	AC	3.38	\$32,387.31	\$109,549
0120 1	REGULAR EXCAVATION	LS	1.00	\$15,000.00	\$15,000
0120 6	EMBANKMENT	LS	1.00	\$15,000.00	\$15,000
0327 70 2	MILLING EXISTING ASPHALT PAVEMENT, 3 1/2" AVG DEPTH	SY	81,361	\$3.21	\$261,169
0334 153	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	746	\$114.32	\$85,261
0337 783	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	755	\$131.36	\$99,194
0425 1211	INLETS, CURB, TYPE 10, <10'	EA	10	\$5,959.03	\$59 <i>,</i> 590
0430174118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	100	\$101.45	\$10,145
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	28,122	\$28.17	\$792,197
0520 5 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	4,068	\$63.22	\$257,182
0520 5 12	TRAFFIC SEPARATOR CONCRETE - TYPE I, 6' WIDE	LF	1,035	\$91.53	\$94,734
0520 516	TRAFFIC SEPARATOR CONCRETE - TYPE I, 8.5' WIDE	LF	1,957	\$99.93	\$195 <i>,</i> 563
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	8,582	\$48.73	\$418,185
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	361	\$60.28	\$21,781
0526 1 2	PAVERS, ARCHITECTURAL, SIDEWALK	SY	86	\$110.62	\$9 <i>,</i> 493
0527 2	DETECTABLE WARNINGS	SF	130	\$31.57	\$4,104
0570 1 2	PERFORMANCE TURF, SOD	SY	9,191	\$2.89	\$26 <i>,</i> 563
0570 1 3	PERFORMANCE TURF, SOD AND SOIL- SHOULDER TREATMENT INDEX 570-010	SY	4,922	\$3.64	\$17,917
	ROADWAY SUBTO	DTAL			\$2,529,954
LANDSCAPING CO	OMPONENT				
0580-	LANDSCAPE - COMPLETE	LS	1		
	Canopy Tree	EA	71	\$1,400.00	\$99,400
	Understory Tree	EA	59	\$750.00	\$44,250
	Sabal Palm	EA	76	\$500.00	\$38,000
	Sylvester Palm	EA	22	\$6,500.00	\$143,000
	Shrubs	EA	4,980	\$50.00	\$249,000
	Groundcover	EA	19,890	\$10.00	\$198,900
	Mulch - 3" Depth	CY	830	\$155.00	\$128,650
	Soil Amendments	CY	1,110	\$150.00	\$166,500
0590 70	IRRIGATION SYSTEM, F&I	LS	172,210	\$2.50	
	LANDSCAPE SUBTO	DTAL			\$1,498,225

#### SR 5/US 17 ORANGE AVENUE WITHIN THE CITY OF GREEN COVE SPRINGS PREFERRED ALTERNATIVE

## Kimley **»Horn**

Prepared by: Shaw Reviewed by: Wills Date: 6/3/2022

				Date.	0/3/2022
	Confidence Level of Estimate Is	2	of 5		
SIGNALIZATION	COMPONENT				
0630 212	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	7,718	\$24.82	\$191,548
0633 1112	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBER	LF	7,718	\$4.00	\$30,870
0630 2 11	CONDUIT, F&I, OPEN TRENCH	LF	900	\$12.58	\$11,322
0630 212	CONDUIT, F&I, DIRECTIONAL BORE	LF	3,500	\$24.82	\$86,870
0632 71	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	7	\$1.15	\$8
0635 211	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	10	\$879.88	\$8,799
0639 1 122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	7	\$987.00	\$6,909
0639 21	ELECTRICAL SERVICE WIRE, F&I	LF	1,050	\$0.48	\$504
0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	7	\$1,616.19	\$11,313
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE, FOR DISCONNECT	EA	7	\$1,785.13	\$12,496
0646 111	ALUMINUM SIGNALS POLE, PEDESTAL	EA	28	\$1,765.57	\$49,436
0649 21 1	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 30'	EA	3	\$28,055.00	\$84,165
0649 21 3	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 40'	EA	9	\$28,055.00	\$252,495
0649 217	STEEL MAST ARM ASSEMBLY, F&I, DOUBLE ARM 50'-30'	EA	2	\$28,055.00	\$56,110
0649 21 9	STEEL MAST ARM ASSEMBLY, F&I, DOUBLE ARM 50'-50'	EA	1	\$28,055.00	\$28,055
0649 21 10	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 60'	EA	2	\$28,055.00	\$56,110
0649 21 12	STEEL MAST ARM ASSEMBLY, F&I, DOUBLE ARM 60'-40'	EA	1	\$28,055.00	\$28,055
0649 21 15	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 70'	EA	1	\$28,055.00	\$28,055
0649 21 23	STEEL MAST ARM ASSEMBLY, F&I, DOUBLE ARM 78'-40'	EA	2	\$28,055.00	\$56,110
0650 114	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 3 SECTION, 1 WAY	AS	56	\$1,141.48	\$63,923
0650 116	VEHICULAR TRAFFIC SIGNAL, F&I ALUMINUM, 4 SECTION, 1 WAY	AS	14	\$1,383.53	\$19,369
0653 112	PEDESTRIAN SIGNAL, F&I LED COUNTDOWN, 2 WAY	AS	28	\$1,354.53	\$37,927
0660 1 110	LOOP DETECTOR INDUCTIVE, F&I, TYPE 10	EA	56	\$3,002.96	\$168,166
0660 2 102	LOOP ASSEMBLY, F&I, TYPE B	AS	56	\$78.43	\$4,392
0660 2 106	LOOP ASSEMBLY, F&I, TYPE F	AS	28	\$78.43	\$2,196
0665 111	PEDESTRIAN DETECTOR, F&I, STANDARD	EA	56	\$293.69	\$16,447
0670 5 110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	7	\$4,472.86	\$31,310
0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	AS	7	\$3,847.95	\$26,936
0685 111	UNINTERRUPTIBLE POWER SUPPLY, F&I, LINE INTERACTIVE	EA	7	\$4,643.59	\$32,505
	SIGNALIZATION SUBTOTAL				\$1,402,401

#### SR 5/US 17 ORANGE AVENUE WITHIN THE CITY OF GREEN COVE SPRINGS PREFERRED ALTERNATIVE

## Kimley **»Horn**

Prepared by: Shaw Reviewed by: Wills Date: 6/3/2022

			• -		0/3/2022
	Confidence Level of Estimate Is	2	of 5		
SIGNING AND PA	VEMENT MARKING COMPONENT				
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	24	\$1,335.96	\$32,063
0700 1 60	SINGLE POST SIGN, REMOVE	AS	12	\$40.84	\$490
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	933	\$3.64	\$3,396
0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	7.197	\$1,073.38	\$7,725
0710 11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	4623	\$1.01	\$4,669
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	2703	\$1.49	\$4,027
0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	1.001	\$520.06	\$521
0710 11141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.263	\$573.28	\$151
0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	91	\$45.92	\$4,179
0710 11170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	127	\$32.16	\$4,084
0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	4.693	\$1,093.10	\$5,130
0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18	LF	94	\$1.40	\$132
0710 11290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	100	\$2.67	\$267
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	4623	\$3.02	\$13,961
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	2703	\$5.42	\$14,650
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.263	\$2,175.38	\$572
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	91	\$147.64	\$13,435
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	127	\$68.79	\$8,736
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	94	\$4.57	\$430
0711 11421	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.096	\$8.27	\$1
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES WHITE, SOLID, 6"	GM	7.197	\$4,446.20	\$31,999
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	1.001	\$1,688.55	\$1,690
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	4.693	\$4,446.20	\$20,866
	SIGNING AND PAVEMENT MARKING SUBTOTAL				\$173,175
LIGHTING COMP	ONENT				
0715 4 11	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT	EA	14	\$6,828.67	\$95,601
0715 530	LUMINAIRE & BRACKET ARM, INSTALL	EA	14	\$818.50	\$11,459
0715 7 21	LOAD CENTER, REWORK, SECONDARY VOLTAGE	EA	14	\$2,605.29	\$36,474
	LIGHTING COMPONENT SUBTOTAL				\$143,534
UTILITIES COMPO					· ·
0425 5 1	MANHOLE, ADJUST, UTILITIES	LS	20	\$2,509.94	\$50,199
1080 24500	VALVE/METER BOX ADJUST (VARIOUS SIZES)	AS	40		
1644700	FIRE HYDRANT, ADJUST AND MODIFY	EA	10		
			1	SUBTOTAL	\$106,763
				JUDIUTAL	\$100,70.

SR 5/US 17 ORANGE AVENUE WITHIN THE CITY OF GREEN COVE SPRINGS	
PREFERRED ALTERNATIVE	

0101-1

0102-1

**Kimley»Horn** Prepared by: Shaw Reviewed by: Wills Date: 6/3/2022 **Confidence Level of Estimate Is** 2 of 5 SUBTOTAL ALL COMPONENTS SUBTOTAL \$5,854,053 MOBILIZATION 10% CST \$585,405 15% CST MAINTENANCE OF TRAFFIC \$878,108 TOTAL CONSTRUCTION SUBTOTAL \$7,317,566 CONTINGENCY/UNKNOWS (15% plus 7% escalation) LS 22% SUBTOTAL \$2,897,756 TOTAL CONSTRUCTION \$10,215,322 **RIGHT OF WAY ACQUISITION** SUBTOTAL \$4,971,680 SUPPORT COSTS PRELIMINARY ENGINEERING LS 12% CST \$878,108 16% CST CONSTRUCTION ENGINEERING AND INSPECTION \$1,170,811 LS TOTAL SUPPORT COSTS SUBTOTAL \$2,048,918

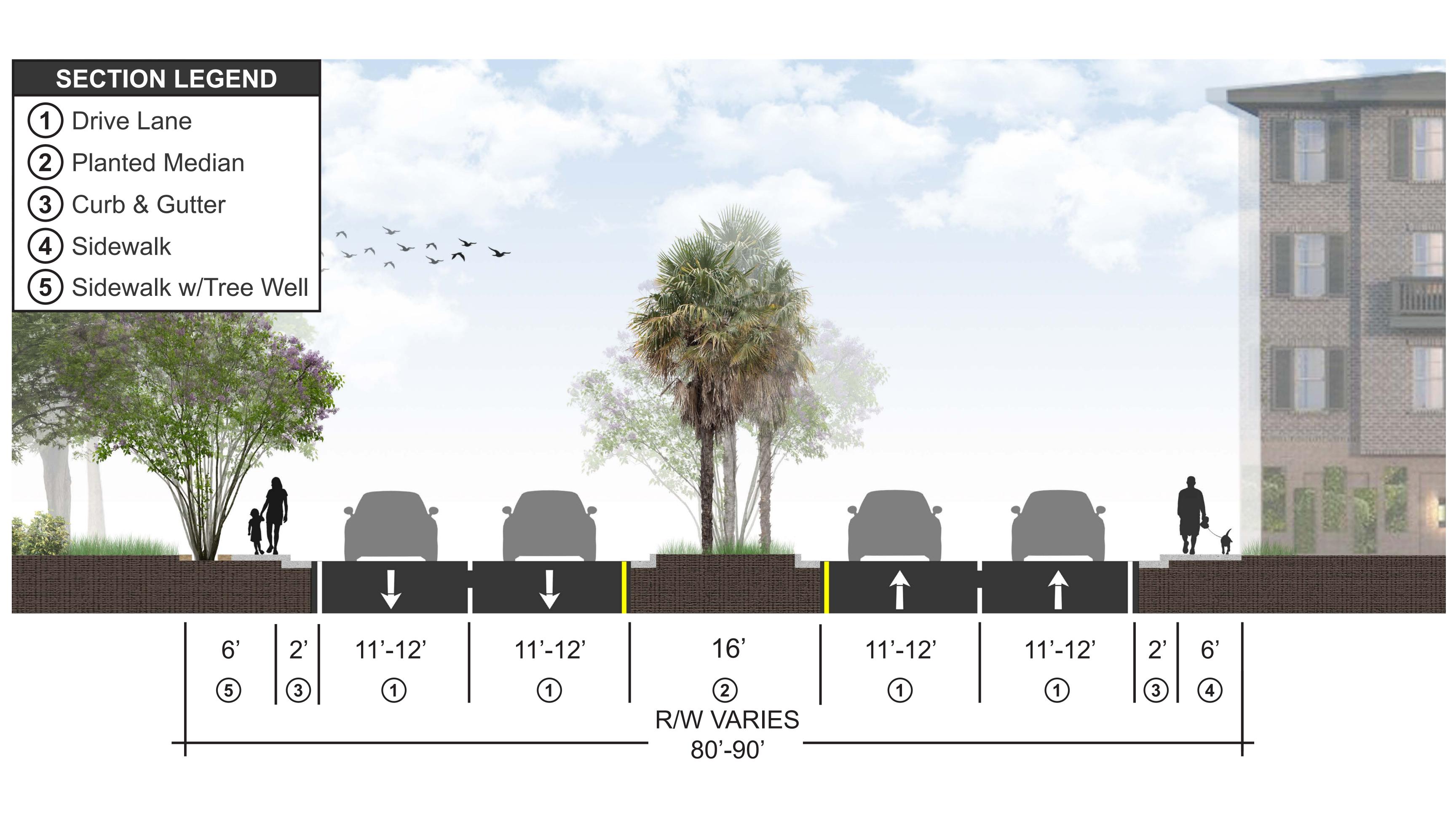
> **GRAND TOTAL PROJECT COSTS** \$17,235,921

> Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost.



Terrel Shaw, State of Florida, Professional Engineer No. 50096. This item was electronically signed and sealed by Terrel Shaw, P.E. on June 3,, 2020.

Printed copies of this document are not considered signed and sealed.





US-17 / South Orange Avenue - Urban Core Typical Section JUNE 2022



GREEN COVE SPRINGS, FLORIDA



Item #1.

US 17 GREEN COVE SPRINGS CORRIDOR STUDY

Velcome

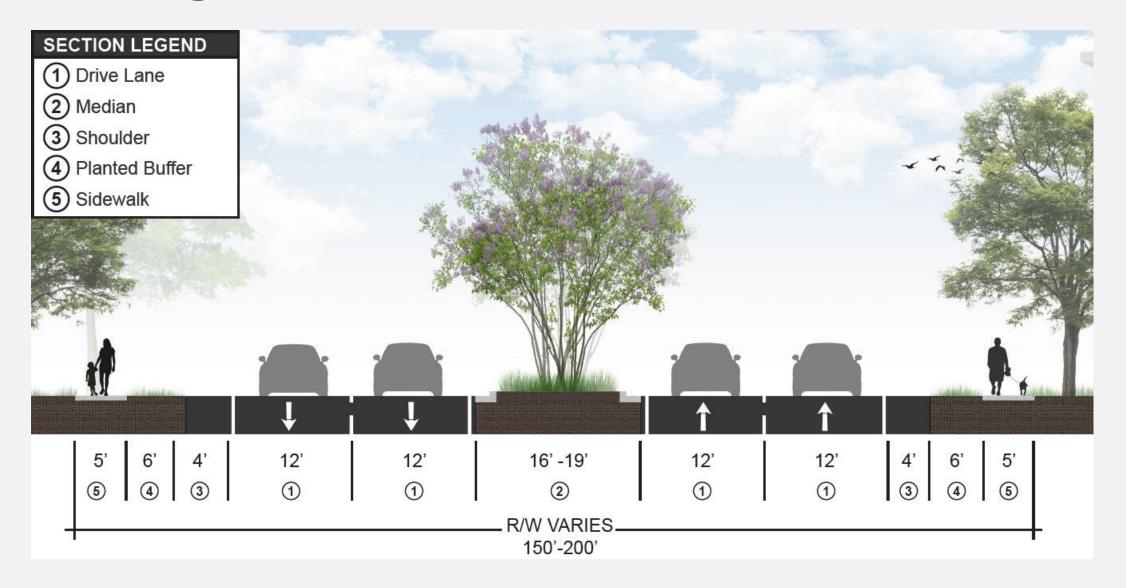
UPWP TASK 5.12

## Purpose

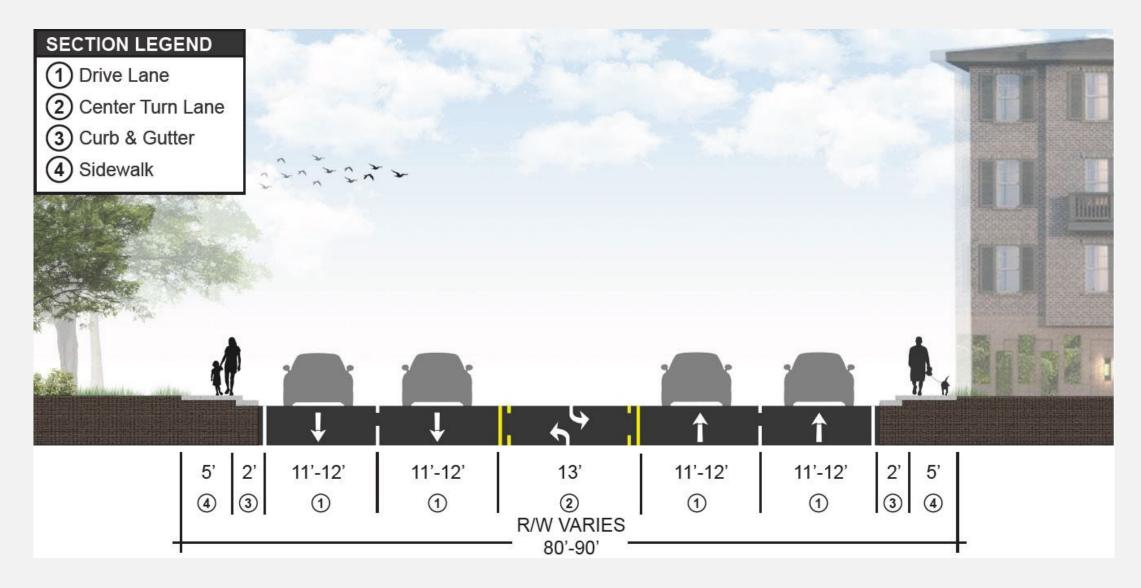


Improve the users' experience of US 17 in Green Cove Springs from SR 16 (Leonard C Taylor Parkway) to Orion Road

## **Existing Typical Section - Suburban**



# **Existing Typical Section - Urban**



# **Safety Analysis**

250

Crashes by Type

Two fatalities caused by crash Runoff the road collision with a sign support near Houston Street 200 Rear-end collision involving a speeding motorcycle striking a passenger vehicle 150 Rear-end collisions are consistent with signal delays. Left-turn and sideswipe result from 100 permissive left-turns at intersections and two-way-left-turn lanes. 50 Rear-End Other Head On Right Turn Pedestrian Bicycle Left-Turn Sideswipe ROR Angle ■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020



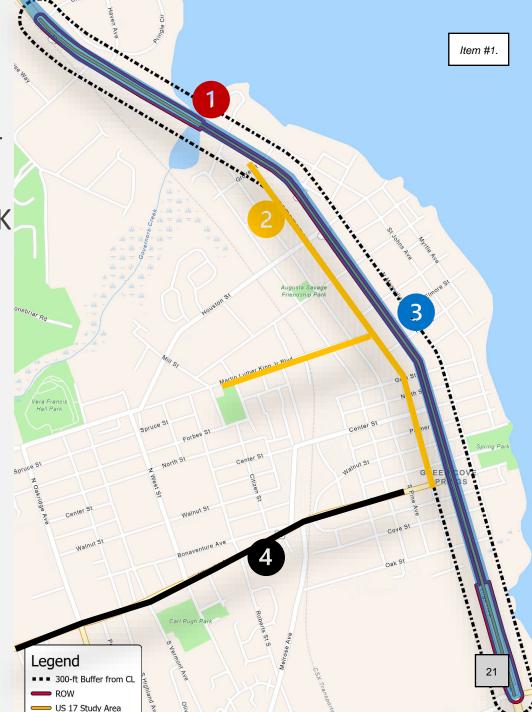
# **Planning Consistency**

- Comprehensive Plan
  - 1.9.7 5-ft bike lanes on local roads
  - 1.12.4 Public transportation corridors with JTA
  - 1.14.2 Park-n-ride facilities with Clay Transit
  - 2.1.5 Conduct this study with the TPO
  - 2.3.9 Prioritize multimodal
  - 2.6.6 Expand public transport
- Municipal Code
  - Designates golf carts per F.S. 316.212
  - Seek approval for crossings of state roads
- Future Land Use
  - No significant changes



# **Related Projects**

- 1. 4414061-1 Sidewalk on Governor's Creek Bridge recently completed
- 435677-1 Multiuse Trail Palmetto Avenue and MLK Boulevard from Vera Francis Hall Park to Green Cove Springs Nature Preserve – design ongoing (No funding for construction)
- 3. 208202-5 Resurfacing from Oak Street to Black Creek - construction in FY 2025 \$15.2 million
- 4. 4389181 SR 16 PD&E Study from First Coast Expressway to Oakridge Lane - on-going
- 5. 422938-5 New Interchange at US 17 and First Coast Expressway – under construction (not shown)



## **Level of Service**

Location	LOS D Volume Threshold	2019 AADT	2019 LOS	2045 AADT	2045 LOS
South of SR 16 (Leonard C Taylor Parkway)	39,800	14,100	С	25,100	С
North of SR 16(Leonard C Taylor Parkway)	39,800	21,500	С	38,300	D
South of SR 16 (Ferris Street)	32,400	20,000	D	35,600	F
North of SR 16 (Ferris Street)	32,400	22,500	D	34,200	F
North of Gum Street	32,400	24,000	D	36,500	F
North of Governors Creek	32,400	29,500	D	44,800	F
SR 16 east of US 17	39,800	17,800	С	36,300	С
SR 16 west of US 17	32,400	11,500	С	17,500	D

# **Summary of Needs**

### • Safety

US 17 at SR 16 Leonard C Taylor Parkway
US 17 at SR 16 Ferris Street

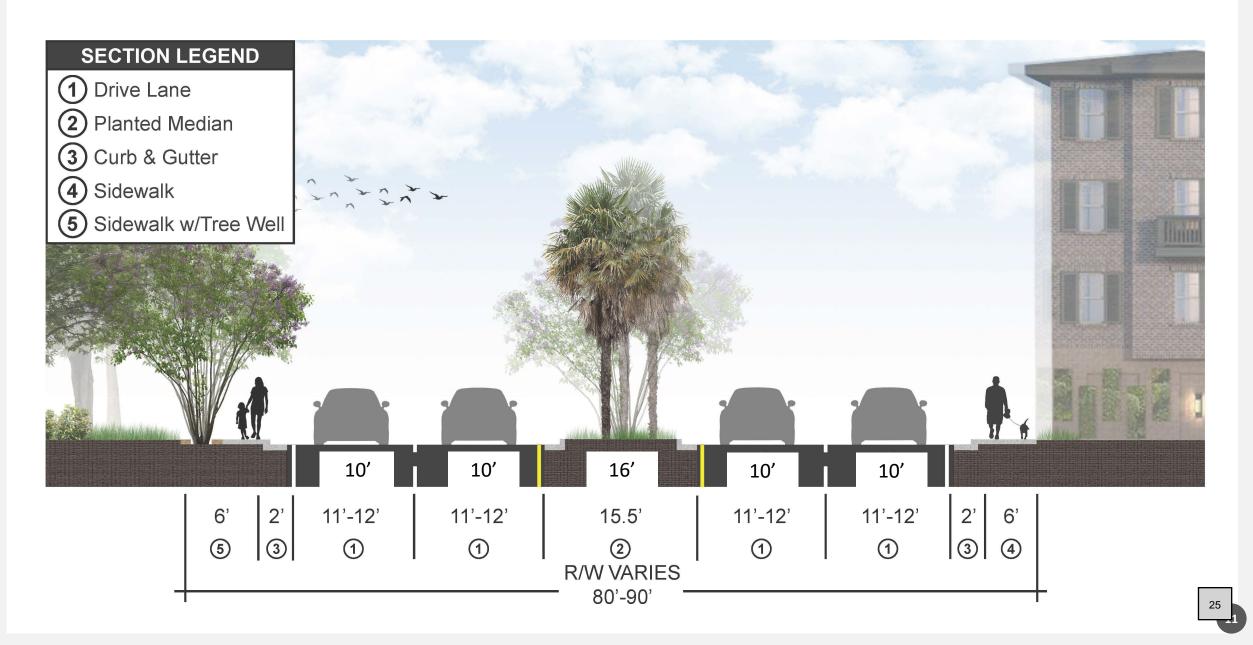
### • Traffic Operations

- 1. US 17 at SR 16 Ferris Street northbound left
- 3. US 17 at Harbor Road second left-turn lane
- Multimodal
  - Non-uniform ADA ramps
  - Shelters at Clay Community Transit stops
  - JTA coordination for additional service



## **Proposed Improvements**

- Widening and reconstructing sidewalks
- Adding landscaping adjacent to sidewalks to create shade and a more pedestrian friendly environment
- Constructing landscaping in the median between Leonard Taylor Parkway and Oak Street
- Constructing a median with landscaping between Oak Street and Governor's Creek Bridge to improve safety, traffic operations and the roadway aesthetics
- Constructing intersection improvements at SR 16 (Ferris Street) to accommodate larger vehicles traveling eastbound to southbound on US 17
- Implementing access management strategies to improve safety
- Constructing landscaping in the median between Governor's Creek Bridge and Orion Street
- Replacing strain poles with mast arms at all signals
- Narrowing lanes and widening sidewalks in the vicinity of the Walnut Street
- Milling and resurfacing of the pavement within the limits of the project



## **Design Standards**

Element	C3C Suburban	C4 Urban General	Proposed C4
Design Speed (MPH)*	50	45	35
Lane width (ft)	11	11	11
Median (ft)	22	22	16
Two-way Left Turn Lane (ft)**	12	12	-
Bicycle Lane (ft)	7	7	-
Sidewalk Width (ft)***	6	6	6

Source: FDOT 2022 Design Manual SIS Facility Design Speed Table 201.5.1 Lane Width Table 210.2.1 Median Width Table 210.3.1

## SR 16 Leonard CTaylor Parkway to Oak Street



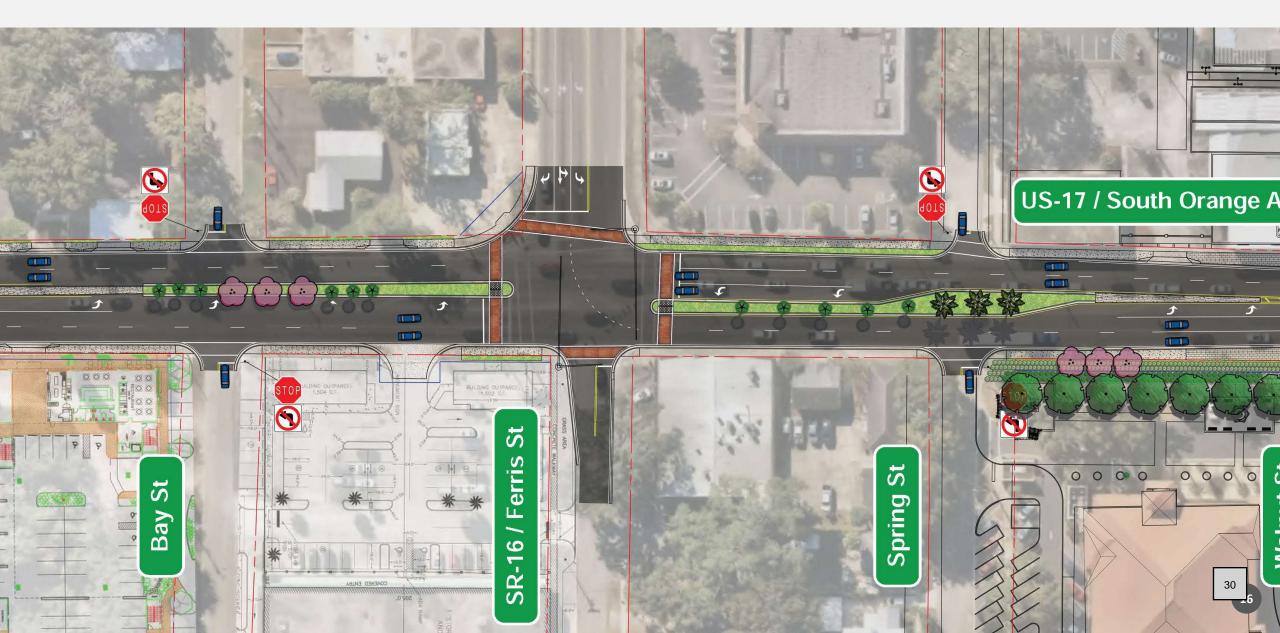
## SR 16 Leonard CTaylor Parkway to Oak Street



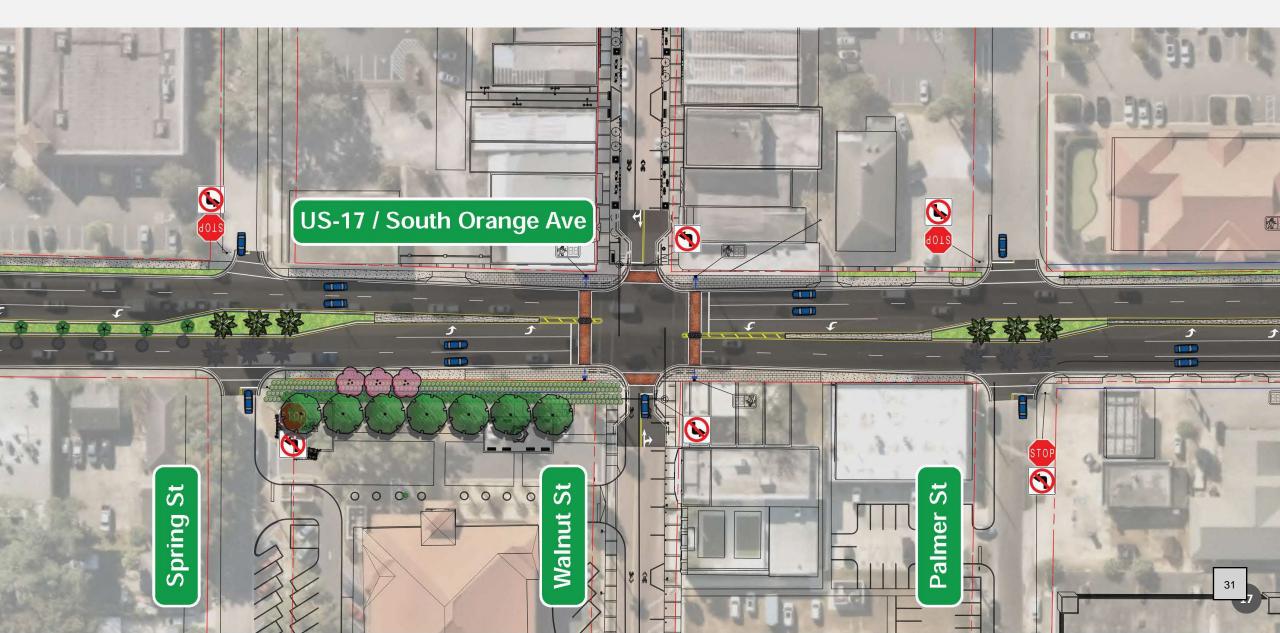
### Oak Street to Gum Street



### **SR-16 Ferris Street Intersection**



### Walnut Street Intersection



## **Center Street and Gum Street Intersections**



### **Gum Street to Houston Street**



### Houston Street to Governor's Creek



ltem #1.





## Governor's Creek to Orion Street



ltem #1.

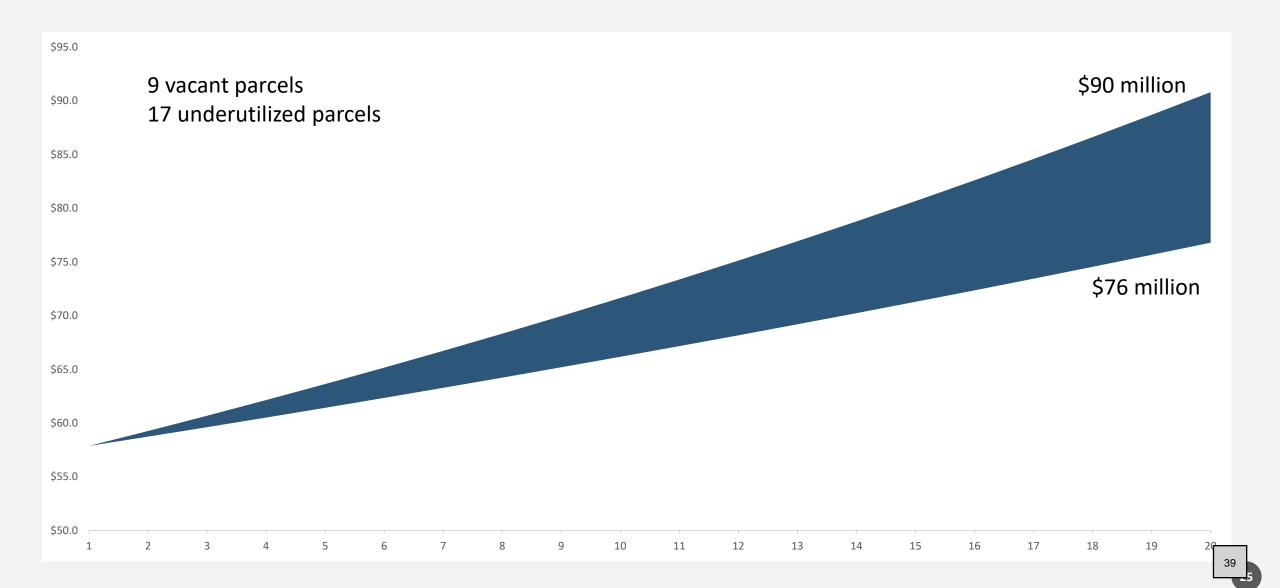
## **Right of Way Impacts**

ltem	Amount
Business Relocation	1
Acquisition	17
Temporary Easements	46
Total	62

## **Project Costs**

ltem	Amount (millions)
Construction	\$10.2
Right of Way	\$4.9
Support Costs (Design, Construction Engineering)	\$2.1
Total	\$17.2

## **Redevelopment Potential**





Item #1.

US 17 GREEN COVE SPRINGS CORRIDOR STUDY

Velcome

UPWP TASK 5.12